

CURRICULUM VITAE

JACQUELINE S. GARDNER
Department of Pharmacy, Box 357630
University of Washington
Seattle, WA 98195

Education

- A.B. English, University of California, 1962
Berkeley, CA
- M.P.H. Population/Family Planning Communications, 1972
University of Hawaii School of Public Health,
Honolulu, HI
- Ph.D. Epidemiology, University of Washington, 1980
School of Public Health and Community
Medicine, Seattle, WA
- Dissertation: The Role of Oral Contraceptives in
Cervical Infection with Sexually Transmitted Diseases

Professional Positions

- Mar. 1992 to Present Associate Professor, Department of Pharmacy,
University of Washington, Seattle, WA
- Mar. 1985 to Feb. 1992 Director, Drug Epidemiology, The Upjohn Company,
Kalamazoo, MI
- 1980 Feb. 1985 Research Epidemiologist, Head, and Manager, Drug Epidemiology, The
Upjohn Company, Kalamazoo, MI
- 1978 - 1980 Research Scientist, Health and Population Study Center,
Battelle Human Affairs Research Centers, Seattle, WA
- 1977 - 1980 Research Officer, Program for the Introduction and
Adaptation of
Contraceptive Technology (PIACT), Seattle, WA
- 1973 - 1978 Research Specialist, Population Study Center.
Battelle Human Affairs Research Centers, Seattle, WA
- 1971 - 1972 Obstetrics/Gynecology Instructor, Straub Medical Research Institute,
Honolulu, HI
- 1971 Outreach Developer, Kapiolani Hospital, Honolulu, HI
- 1968 - 1970 Branch Director, Planned Parenthood of Alameda County, CA

Special Training

Awards

Washington State Pharmacists Special Achievement Award, June 9, 2000
Drug Information Association Outstanding Service Award 1992

Memberships

American Pharmaceutical Association
Association of Reproductive Health Professionals
American Association of Colleges of Pharmacy - Faculty Delegate 1993-1994
Drug Information Association, North American Steering Committee, 1993 - present
Drug Information Association, Board of Directors, 1988 - 1990
Drug Information Association, Vice President, 1990
International Society for Pharmacoepidemiology, Board of Directors, 1992-1995
Washington State Pharmacists Association

Teaching/Course Organization Responsibilities

2001	Marketing 370 - Retailing - co-director of section for pharmacy students
2001 - present	Pharmacy 597 - Graduate Student seminar - Coursemaster
2001	Health Services 515 - Health Care and Society - Small Group Leader
2000 - present	Pharmacy 447: Overview of Contraceptive Management - Coursemaster
1999 - present	Pharmacy 446: Community-based Screening - Coursemaster
1997 - present	Uconjoint 422: Sexually-Transmitted Diseases - Coursemaster
1998 - present	Pharmacy/Epi 533: Pharmacoepidemiology - Coursemaster (rotating)
1995 - present	Pharmacy 445: Public Health Applications in Pharmacy - Immunization - Coursemaster
1996 - 1999	Pharmacy 576: Advanced Clinical Rotation - Shared responsibility (2)
1998 - 1999	Pharmacy 541: Pharmaceutical Care Systems II - Coursemaster
1993 - 1995	Pharmacy 441: Pharmaceutical Care Systems II - Coursemaster
1992-1996	Pharmacy/Epi 533: Pharmacoepidemiology - Shared responsibility (3)
1994	Pharmacy/Philosophy 598: Human Life in the Balance
1992	Pharmacy 340: Pharmacy, Health and Society - Coursemaster
	Pharmacy 495: Individual Study
1991	Health Services 590D: Federal Health Policy Issues
	Guest lecturer: Pharmacy 550, Pharmacy 435, Pharmacy 430, Public Health/Epi 590E, Pharmaceutics 486/586

Publications

Stergachis AS, **Gardner JS**, Sullivan SD, Anderson MT. A Randomized Study on Improving Pediatric Asthma Outcomes in the Community Setting: Does Pharmaceutical Care Make a Difference? Submitted (JAPhA)

Gardner JS, Hutchings J, Fuller TS, Downing D. Increasing access to emergency contraception through community pharmacies: Lessons from Washington State. Family Planning Perspectives 2001; 33:172-175

Sucato G, **Gardner JS**, Koepsell T. Adolescents' use of emergency contraception provided by Washington State pharmacists. Journal of Pediatric and Adolescent Gynecology. Accepted

Marciante KD, **Gardner JS**, Veenstra DL, Sullivan SD. An Analysis of the cost and outcomes of emergency contraception prescribed by a pharmacist in Washington State. Journal of the American Public Health Association. 2001; In Press

Sommers SD, Chaiyakunapruk N, **Gardner JS**, Winkler J. Emergency Contraception Collaborative Prescribing Experience in Washington State. Journal of the American Pharmaceutical Association 2001;41:1-7

Gardner JS, Blough DK, Drinkard CR, Shatin D, Anderson GA, Graham D, Alderfer R. Tramadol and seizures: A surveillance study in a managed care population. Pharmacotherapy 2000; 20(12):1423-31

Shatin D, McCarthy DB, Drinkard CR, Kleinman JH, **Gardner J**. Medical records and privacy: Empirical effects of legislation. Health Services Research. HSR 1999; 24(II):417-25

Baluch W, **Gardner JS**, Scholes D, Krauss R. Therapeutic interchange of conjugated and esterified estrogens in a managed care organization. AJHP 1999; 56: 537-42

Shatin D, **Gardner JS**, Stergachis A. Time for Action on Drug Safety (Letter). JAMA 1999; 281:319

Wells ES, Hutchings J, **Gardner JS**, Winkler JL, Fuller TS, Downing D, Shafer R. Using pharmacies in Washington State to expand access to emergency contraception. Family Planning Perspectives 1998;30:288-290

Hutchings J, Winkler JL, Fuller TS, **Gardner JS**, Wells ES, Downing D, Shafer R. When the morning after is Sunday: Pharmacist prescribing of emergency contraceptive pills. Journal of the American Women's Medical Association 1998;53(Suppl 2):230-232

Gardner JS, Fuller TS, Hutchings J. The effects of self-administering emergency contraception (Letter). *N Engl J Med* 1998; 339:1395

Gardner JS, Scholes D, Baluch W, Krauss R. Acceptability of a substitution of estrogen replacement therapy to women enrolled in a health maintenance organization. *J Women's Health* 1998; 7: 1027-1031.

Gardner JS, Guyard-Boileau B., Alderman B.W., Fernbach S.K., Greene C., Mangione E.J. Maternal exposure to prescription and non-prescription pharmaceuticals or drugs of abuse and risk of craniosynostosis. *Int J Epidemiol* 1998; 27:64-67

Gardner JS, Park BJ, Stergachis, A.S. Evaluating the Quality of Existing Databases for Use in Pharmacoepidemiology In Hartzema, A.G., Porta, M.S., Tilson, H.H., Eds., *Pharmacoepidemiology: An Introduction: 3rd Edition*. Harvey Whitney Books, Co., Cincinnati, OH 1998

Gardner J.S. Vaccine administration in community pharmacies: a practical guide for establishing services. *J Am Pharm Assoc* 1997;NS37:683-93

Gardner JS, Ed. *Immunization: A Manual for Pharmacists*. Washington State Pharmacists Association, Renton WA; 1997

Gardner JS, Szpunar, C.A., O'Connell, M.J., Facklam, D.P., Mariano, J.P., Borden, E.K., Leinweber, F.B., Cohort maintenance and comparability in a pharmacoepidemiologic study using a commercial consumer panel to recruit comparators. *Pharmacoepidemiology and Drug Safety*, 1996;5:207-214

Gardner JS, Szpunar, C.A., O'Connell, M.J., Facklam, D.P., Mariano, J.P., Borden, E.K., Leinweber, F.B., Use of a commercial consumer panel to recruit a comparator cohort for a pharmacoepidemiologic study. *Pharmacoepidemiology and Drug Safety*, 1996;5:165-172

Stang, P.E., **Gardner JS**. Epidemiology and Pharmacoeconomics Research In Bootman, J.L., Townsend, R.J., McGhan, W.F. *Principles of Pharmacoeconomics, 2nd Edition*. Harvey Whitney Books Co, Cincinnati, OH 1996

McRorie TI, **Gardner JS**, Sullivan SD, Walker MT, Andrilla H, Stergachis A. A structured pharmaceutical care intervention for ambulatory pediatric asthma patients. *Pharmacotherapy*.15:400 (1995)

Gardner JS. Book Review: Strom, B.L., Ed., *Pharmacoepidemiology: Second Edition*. *EJPH. European Journal of Public Health* 1995;5:136

Facklam, D.P.; **Gardner JS**; Neidert, G.L.; Westland, M.M. An Epidemiologic Postmarketing Surveillance Study of Prescription Acne Medications. *Am J Pub Health* 80(1)(Jan. 1990):50-53.

Guess, H.A.; Stephenson, W.P.; Sacks, S.T.; **Gardner JS**. Beyond Pharmacoepidemiology: The Larger Role of Epidemiology in Drug Development. *J Clin Epidemiol* 41(10)(1988):995-996.

Facklam, D.P.; Baker, M.I.; **Gardner JS**; Herbert, C.; Grava-gubins, I. Is Post-Marketing Drug Surveillance Possible in the Family Practice Setting? A Collaborative Study. *Can Fam Physician* 34(1988):819-822.

Gardner JS. Postmarketing Surveillance of Pharmaceutical Products. *U.S. Pharmacist* 30(May 1988):44-47.

Borden, E.K.; **Gardner JS**; Westland, M.M.; Gardner, S.D. Letter to Editor - Postmarketing Drug Surveillance. *JAMA*, 251(6)(Feb 10, 1984):729.

Gardner JS; Baker, M.I.; Borden, E.K. Postmarketing Surveillance in Canadian Pharmacies. *Can Pharm J*, Feb 1984.

Crawley, J.A.; **Gardner JS**; Lee, J.G. Cimetidine Postmarket Outpatient Surveillance Program (Letter). *JAMA* 245(Apr 10, 1981):1409.

Grants and Contracts

Increasing Low-Income Women's Access to EC through Pharmacists: A Washington State TANF Funded Project ~~XXXXXX~~ (Co-investigator) 2000-2001

Mini-grants (3) for instructional technology support. Health Sciences Center for Educational Resources. 1999

Clinical pharmacy faculty position for Legacy House. UW Provost, 1998-99

Drug Safety Surveillance Using United Health Care Corporation's Linked Databases, U.S. FDA Cooperative Agreement, \$1,160,873 (Principal Investigator of subcontract) 1994-2002

Evaluation of Retail Pharmacies' Contribution to Influenza and Pneumococcal Vaccine Coverage Among Elderly Community Residents. Elmer M. Plein Endowment Research Fund. _____ (Principal Investigator) 1997

Expanding Access to Emergency Contraceptive Pills in Washington State: Promoting Pharmacist/Prescriber Collaborative Agreements. David and Lucile Packard Foundation _____ (Co-Investigator) 1997-99

Computer Equipment for Expanding Pharmacy Student Clinical Training The Seattle Foundation, _____ (Co-Principal Investigator) 1997-98

Comparative study of prescription and medical service utilization patterns among pediatric asthmatics in Medicaid and Health Maintenance Organizations, Glaxo Pharmaceuticals, _____ (Principal Investigator) 1993-94

HMO Experience with an Estrogen Conversion: Costs, Acceptability, and Outcomes, Solvay Pharmaceuticals, _____ (Principal Investigator) 1993-94

Pharmaceutical Care and Pediatric Asthma Outcomes, Agency for Health Care Policy and Research, _____ (Co-Investigator, 20% time) 1993-97

Development of Guidelines for Collaboration on Policy Research Between Corporate Policy Initiatives and External Organizations, The Upjohn Company, — (Principal Investigator) 1992-93

Review of Drug Utilization Skagit and Whatcom Counties, Area Health Education Council (AHEC) (Principal Investigator) 1991-92

Invited Presentations/ Participation

Emergency Contraception OTC Panel. Reproductive Health Technologies Project. March 7, 2000. Washington DC

Gardner JS and Downing D. Pharmacies Promoting Contraception and Wellness. Reproductive Health '99. Association of Reproductive Health Professionals. September 22-25, 1999. Dallas TX

Talloires Conference: Challenges and Opportunities in the International Pharmaceutical Marketplace: A Look to the Future. Tufts Center for the Study of Drug Development. July 14-16, 1999. Talloires, France

Gardner, JS. Confirming a Signal: Applications of Pharmacoepidemiology to Pharmaceutical Company Issues. Adverse Drug Event Monitoring and Reporting. Center for Professional Advancement. October 26-28, 1998. Burlingame CA

Oral Contraceptive Thought Leader Panel. American Home Products. September 24-25, 1998. Madison NJ.

Gardner JS. Emerging Trends in Women's Health. Drug Information Association Workshop April 5-7 1998, Washington DC.

Gardner, JS. Confirming a Signal: Applications of Pharmacoepidemiology to Pharmaceutical Company Issues. Adverse Drug Event Monitoring and Reporting. Center for Professional Advancement. February 19-21, 1997. Brunswick NJ

Gardner, JS. Epidemiology of Women's Health: Met and Unmet Therapeutic Needs. Drug Information Association Workshop. November 21-22, 1996. San Francisco CA

Gardner, J.S. Asthma, Study Group on Pharmaceutical Outcomes Assessment, Drug Policy and Pharmaceutical Services Committee, Medical Care Section APHA 122nd Annual Meeting, October 30, 1994: Washington, D.C.

Reviewer *Annals of Pharmacotherapy, Pharmacoepidemiology and Drug Safety, European Journal of Public Health, American Journal of Epidemiology, Journal of the American Pharmaceutical Association, Pharmaceutical Research, Pediatric and Perinatal Epidemiology, Drug Information Journal, Health Care Financing Review, Drug Development Research, International Society for Pharmacoepidemiology*
Grant reviewer: Agency for Health Care Policy and Research, Royalty Research Fund

University Committees

School of Pharmacy

Faculty Advisor - National Community Pharmacy Association Student Chapter (1999-present)
School of Pharmacy Curriculum Committee - Chair (1999-present)
Elmer M. Plein Endowment Research Fund in Pharmacy Advisory Committee (1999 - present)
Plein Endowment for Excellence in Pharmacy Education Advisory Committee (1999-present)
UWMC/HMC Pharmacy and Therapeutics Committee (2000-present)
UWMC/HMC Pharmacy and Therapeutics Ambulatory Care Subcommittee (1996-present)
Faculty Liaison - National Community Pharmacists Association (1999-present)
School of Pharmacy Admissions Committee (1996 to 1999)
School of Pharmacy Delegate to Faculty Senate (1996-1998)

AdHoc Faculty Committee to respond to Institute of Medicine inquiry on Career Paths for Clinical Research (1992)

Department of Pharmacy

Chair, Search Committee for PCLC Director (2001)
Chair, Graduate preliminary exam committee (2000-present)
Department of Pharmacy Strategic Planning Committee - Outreach Activities (1999)
Department of Pharmacy Clinical Master's Degree Program Committee (1999)
Search Committee for Clinical Faculty Lines (1995 - 1999)
Search Committee for Geriatrics Faculty Line (1994)
Departmental Committee on Guidelines for Promotion and Tenure (1993)
Chair, Search Committee, Open Faculty Line (1992)

Selected Presentations

Gardner, JS. Increasing Access to Public Health Services through Community-Based Pharmacies. Northwest Health Policy Research Conference. May 14, 1998. Seattle, WA

Gardner, J.S., Scholes, D., Balulch, W, Krauss R. Effects of a Substitution of Estrogen Replacement Therapy upon Menopausal Symptom Control Poster: 7th Annual Meeting, North American Menopause Society. September 26-28, 1996. Chicago, IL.

Gardner, J.S., McRorie T.I, Redding, G.J., Arrighi, H.M. Prevalence of Asthma Diagnosis and Asthma Medication Prescribing Patterns Among Children in Washington State Medicaid International Conference American Thoracic Society/American Lung Association May 10-15 1996; New Orleans, LA

Gardner, J.S. What Makes 'Special Populations' Special? An Overview of the Issues, Thirtieth Annual Meeting of the Drug Information Association, June 5-9, 1994: Washington, D.C.

Gardner, J.S. Pharmaceutical Care Evaluation of Asthma in Kids: Update, One-hundred-forty-first Annual Meeting of the American Pharmaceutical Association, March 19-23, 1994: Seattle, WA

Gardner, J.S., Issues in Drug Policy: Cost, Quality, Access:, State Nursing Student Conference, March 4-6, 1994, Seattle, WA

Gardner, J.S. Issues in Drug Safety: Pharmacoepidemiology, Twenty-ninth Annual Meeting of the Drug Information Association, July 11-15, 1993; Chicago, IL

Gardner, J.S. Working Effectively with the Pharmaceutical Industry, Preparing for Pharmacy Research in the 1990's, March 12, 1993; Bellevue, WA

Gardner, J.S. Epidemiologic Principles and Databases for DUR, DIA Workshop Drug Utilization Review, Feb 1-3, 1993; Arlington, VA

Gardner, J.S. Pharmacoepidemiology: Principles, Methods, and Application, Seventh Annual Meeting of the Washington State Society of Hospital Pharmacists, October 23-24, 1992; Tacoma WA

Gardner, J.S., The State of the Art of Postmarketing Surveillance for Safety Endpoints, and Pharmacoepidemiology and Drug Utilization Review, Twenty-eighth Annual Meeting of the Drug Information Association, June 8-11, 1992; San Diego, CA

Gardner, J.S., New Laws and Regulations Affecting Drug Use Review and Drug Use Evaluation, Drug Use Review, Cognitive Services, and Third Party Reimbursement, UW School of Pharmacy Continuing Education. January 19, 1992, Seattle, WA.

Gardner, J.S., Faich, G.A., Nested Case-Control Studies, Pharmaceutical Manufacturers' Association Biostatistics Subsection Annual Meeting, November, 1991.

Gardner, J.S. The Enigma of Acceptable Drug Risk. 114th Annual Meeting of the American Public Health Association, October 1, 1986; Las Vegas, NV

Baker, M.I.; Gardner, J.S. Evaluation of Medications for Insomnia in Canada (EMIC): Interim Results from a Postmarketing Surveillance Study of Selected Benzodiazepine Hypnotics. Annual

Conference of the Canadian Pharmaceutical Association, May 24-27, 1986, Quebec City, Quebec, Canada

Gardner, J.S. Postmarketing Surveillance of Drugs Used in Fertility Regulation. International Meeting on Long-term Safety Evaluation of Fertility-regulating Agents, Leuven, Belgium, October 17-19, 1985.

Borden, E.K.; Gardner, J.S. Upjohn Postmarketing Surveillance Program for Observation of Marketed Products under Conditions of Customary Use. Pharmaceutical Manufacturers' Association Annual Meeting, Biostatistics Subsection, Dallas TX, October 6-9, 1985.

Facklam, D.P.; Gardner, J.S.; Neidert, G.L.; Westland, M.M. Prescriptions and Usage Patterns of Anti-acne Medications in Usual Use: Experience of a Two-Year Monitoring Program. Xth Scientific Meeting of International Epidemiological Association, Vancouver, British Columbia, Canada, August, 1984.

Gardner, J.S.; Facklam, D.P.; Neidert, G.L.; Westland, M.M.; Borden, E.K. Pharmacy-Based Cohort Studies. Xth Scientific Meeting of International Epidemiological Association, Vancouver, British Columbia, Canada, August, 1984.

Crawley, J.A.; Barry, W.S.; Borden, E.K.; Gardner, J.S.; Houchard, R.A.; Linden, C.V. Adverse Drug Reaction Systems: Integration of a Voluntary Report System and Post-Marketing Surveillance. Fall Meeting, Associates of Clinical Pharmacology, Atlantic City, NJ. October 12-14, 1983.

Borden, E.K.; Gardner, J.S. A Post-Marketing Surveillance Program. Association of Military Surgeons of the United States, San Antonio, TX, October 30 - November 1, 1983.

Gardner, J.S.; Crawley, J.A.; Westland, M.M.; Neidert, G.L. Post-Marketing Surveillance of Prescription Medications to Describe Patient Usage Patterns, (Poster Session) Society for Clinical Trials Fourth Annual Meeting, St. Louis, MO, May 9-11, 1983.

Gardner, J.S.; O'Connell, M.J.; Crawley, J.A.; Barry, W.S. Reliability of Patient-Reported Health Events in an Outpatient Drug Monitoring Study. Third Annual Meeting of the Society for Clinical Trials, Pittsburgh, PA, May 2-5, 1982.

Gardner, J.S. The Role of the Epidemiologist in Biopharmaceutical Research: PostMarketing Phase. Fourth Annual Biopharmaceutical Research Unit Seminar Series, University of Massachusetts at Amherst, April 14-16, 1982.

O'Connell, M.J.; Gardner, J.S.; Crawley, J.A.; Borden, E.K. Using Post-Marketing Surveillance to Examine Changing Prescription Patterns. American Society of Clinical Pharmacology and Therapeutics, San Diego, CA, March 9-11, 1982.

Gardner, J.S. Postmarketing Surveillance of Drugs Used by Outpatients: Report of Two Studies. International Epidemiological Association IXth Scientific Meeting in Edinburgh, Scotland, August 24, 1981.

Conferences Organized

1998

Drug Information Association Annual Meeting:
Impact Track Co-Chair
12 Sessions Boston, MA

1997 Drug Information Association Annual Meeting:
Pharmaceutical Outcomes Research Track Chair -
4 Sessions Montreal, Quebec

1994 Co-Chair, Drug Information Association Workshop:
Inclusion of Special Populations in Drug Development
Seattle, WA

1992 Co-chair, Pharmacy Continuing Education Course:
Selection, Management and Reimbursement of High
Technology Pharmaceuticals Seattle, WA

1992 Drug Information Association Annual Meeting:
Pharmacoepidemiology and Pharmacoeconomics Track Chair -
13 Sessions San Diego, CA

1990 Co-chair, Drug Information Association Workshop:
Evaluating the Safety and Economic Performance of
Marketed Biotechnology Therapies, Seattle, WA

1990 Drug Information Association Annual Meeting:
Pharmacoepidemiology and Pharmacoeconomics Track Chair -
13 sessions San Francisco, CA

1988 Co-chair, Drug Information Association Workshop,
Epidemiology: An Essential Tool for Drug
Development Charleston, SC

1979 Combined Low Dose Oral Contraceptives, Manila,
The Philippines

1977 Village and Household Availability of Contraceptives,
Tunis, Tunisia

1976 Village and Household Availability of Contraceptives,
Manila, The Philippines

1973 Menstrual Regulation Conference, Honolulu, HI
